### **REMARKS**

This responds to the Office Action mailed on September 30, 2005.

Claim 21 is are amended, claims 123-128, 132-138, 142-144, and 149 are canceled without prejudice or disclaimer, and no claims are added; as a result, claims 10-47, 69-77, 79, 87-119, 129-131, 139-141, 145-148, 150-158 are now pending in this application.

Applicant expressly reserves the right to file a further application directed to the subject matter of claims 123-128, 132-138, 142-144, and 149.

Claim 21 is amended to correct what appears to be a typographical error by adding a period to the end of the claim.

# **Double Patenting Rejection**

Claims 10, 43-47, 69-77, 79, 87-119 and 150-158 were rejected under the judicially created doctrine of double patenting over claims 6-18 of U.S. Patent No. 6,883,011. Applicant does not admit that the claims are obvious in view of U.S. Patent No. 6,883,011. However, a Terminal Disclaimer in compliance with 37 C.F.R. 1.321(b)(iv) is enclosed herewith to obviate these rejections.

#### §101 Rejection of the Claims

Claims 123-128, 132-138, 142-144 and 149 were rejected under 35 U.S.C. § 101 as being directed to non-statutory subject matter, i.e., to an abstract idea which fails to be limited to a practical application in the technological arts. This rejection is now moot as these claims are canceled.

# Allowable Subject Matter

Claims 11-42, 129-131, 139-141 and 145-148 have been allowed.

Title: A PARALLEL COUNTER AND A LOGIC CIRCUIT FOR PERFORMING MULTIPLICATION

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## **CONCLUSION**

Applicant respectfully submits that the claims are in condition for allowance, and notification to that effect is earnestly requested. The Examiner is invited to telephone Applicant's attorney at (612) 349-9587 to facilitate prosecution of this application.

If necessary, please charge any additional fees or credit overpayment to Deposit Account No. 19-0743.

Respectfully submitted,

DMITRIY RUMYNIN ET AL.

By their Representatives,

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Date 30 March 06

Timothy & Clise Reg. No. 40,957

Date of Deposit: March 30, 2006

This paper or fee is being filed on the date indicated above using the USPTO's electronic filing system EFS-Web, and is addressed to: The Commissioner for Patents, P.O. Box 1450, Alexandria,

VA 22313-1450.

CANDIS BUENDING

Signature

Name